

PROCESS FOR PREPARING IODOARO- MATIC COMPOUNDS AND USING THE SAME

Abstract

The present invention provides a process for preparing mono-iodinated aromatic compounds that are useful as intermediates for preparing charge transporting and hole transporting amino compounds and have high purity with high yield and at low cost. A process for preparing aryl iodide compounds comprises reacting an aryl halide compound with a metal iodide, a metal catalyst and a catalyst coordinating ligand in at least one solvent to form an aryl iodide; and purifying the aryl iodide. A triarylamine compound and a process for preparing a triarylamine compounds reacting the aryl iodide with a diarylamine is also provided. Further, a photoconductive imaging member comprising a charge transport layer that comprises at least one triarylamine compound prepared reacting the aryl iodide with a diarylamine is provided.